



WiDeSC 2011
28th July 2011
The first international conference in Sardinia focused on Wireless Technologies

Subject: The Future is Wireless: Research, technological evolution and case studies.

When: 28th July 2011

Where: Sardegna Ricerche - Pula (Cagliari)

Abstract:

Nowadays Wireless solutions represent a standard for most communication systems. WiDeSC conference is focused on Wireless Technologies and their capabilities for present and next generation services and applications. Research activities, innovative applications and some relevant case studies will be presented and discussed. Contributors from European Research Centers, Large Industries and SMEs.

In particular, the Sardinia case-study will highlight the opportunity and the advantages to allocate lower frequencies for unlicensed wireless applications, as it already is in other Countries: Sardinia has been the Italian pilot region for the switch-off of analogue TV and it can be the first for experimental re-allocation of "white-space" bands. A coverage simulation, carried out with the innovative software WiDeS, show the hypothetical scenario with tremendously relevant results. A research project involving WiDeS development and validation will be candidate to the 7FP.

Chairman: **Dr. Michael Toutonghi (Microsoft Technical Fellow)**

Thursday the 28th

9:00

Local Authorities

Welcome by Sardegna Ricerche President

Welcome by Regional Government - Industry Department

9:30

Politecnico di Torino - Wi2P - Prof. Roberto Garelo / Federico Penna

"Cognitive radio, indoor positioning, coding"

Activity of Wi2P group: Wired & Wireless; xDSL modems, Space communication links, Cognitive Radio Networks, Channel Coding, Genomic Signal Processing, DSP Applications to Physics, Indoor positioning

10:00

Oulu University - Centre for Wireless Communications - Marcos Katz

"Introduction to Mobile Clouds"

CWC activities: world-class research, train world-class graduates, create new technology and support industry

Coffee Break

11:00

CTU University - Lukas Kencl - RDC Director

"Wireless mobile applications"

RDC activities: Research and Development Centre for Mobile Applications

11:30

Primo Principio - Paolo Pilia

"Optimized numerical algorithms for the prediction of electromagnetic propagation;

case study Sardinia by means of the innovative WiDeS software"

Primo Principio activities: wireless networks and telecommunication solutions



WiDeSC 2011

28th July 2011

The first international conference in Sardinia focused on Wireless Technologies

Subject: The Future is Wireless: Research, technological evolution and case studies.

When: 28th July 2011

Where: Sardegna Ricerche - Pula (Cagliari)

12:00 **ARPA Piedmont** (Agency for Environmental Protection) - Giovanni D'Amore

"Measurement techniques for exposure assessment of electromagnetic fields from digital broadband telecommunication systems and validation of theoretical predictions"

ARPA activities: Environmental Monitoring and Protection on regional scale

12:30

Dr. Luca Simone Rizzo, Dr. Nicola Dorigo

"Overview of funding opportunities for ICT ranging from scientific and technical research up to the pre-competitive phase supporting innovative SMEs to deliver new, better and smarter ICT products and services"

Lunch Buffet

14:30

Dr. Michael Toutonghi - Microsoft Technical Fellow

Remarks about morning presentations and introduction to the afternoon activities

15:00

Coopi ngo - Paola Fava

"Working towards an innovative health monitoring system - Malawi case study"

Coopi activities: international cooperation in developing countries

Coffee Break

16:00

Genesi U.S.A., Inc. - Luca Barbato

"Solar outpost, viable ITC solution for Tanzanian Villages"

Genesi activities: designs, develops and produces low cost, energy efficient computing products

16:30

NoCable srl - Angelo Strazzella:

"Wireless Internet Service Provider contribute to fight digital divide"

NoCable activities: Wireless Internet Service Provider

17:00

Open Debate

18:00

Closing

After 20:00

Social Event